BRUHAT BANGALORE MAHANAGARA PALIKE

YALAHANKA ZONE ELECTRICAL DIVISION

Name of work:- Detailed Estimate for Maintenance & Special repairs and laying of new cables to the speakers and installatiomn of new ahoja speakers and amplifiers to the Musical dancing fountain at Kempegowda Park in Ward No 04.

Budget Head .....

Division No..... Estimate No. ....70..... For Rs. **500000.00**

Sl.No.	SR Page & SL No	Description of Work	Unit	Qty.	Rate Rs.	Amount
1	15.6.1	Supply, installation, testing and commissioning of Dual Power amplifier with power handling of stereo/mono:8Ω 2x600w,4Ω 2x900w,2Ω 2x1250w. Bridged out put 8Ω:1800w,4Ω:2500w THD + N :0.5% Freq resp (-1dB0:20-20,000Hz Input sensivvity : 0Dbu(775mV) 7 4dBu (1.23V)(Selectable) Input Impedance: 10K Unbalanced/20K Balanced Damping Factor:400:1(8Ω) output connector: Speakon 4way, Heavy duty Binding Post each Channel App Dim/wt: W482xH153xD555mm/32.70kg	No	1	49850.00	49850.00
2	101/15.7.2	Supply, installation, testing and commissioning of 12Channel 12mic/line 2-4 Stereo input mixer with built in 3 to 4 band semi parametric eq 2 bus or 4 bus and 2 to 4 aux outs 2 stereo return. Specs: frequency response of 20 htz to 20 kHz with THD o	No	1	22400.00	22400.00
3	12/2.1	Supply, installation, testing and commissioning of PA Speaker system Model SPX- 610,500w/700w,35-20,000Hz 8Ω 100Db app Dim/weit W490xH795xD410/38.4Kg.	Each	4	51250.00	205000.00
4	102/15.12	Connectors and I/C Cables Supply, installation, testing and commissioning of professional grade audio connectors for inter connection cables with in the rack and other units as well auditorium as required including charges for labour, lead and lifts, loading and unloading, cost of conveyance for all the materials with the accessories required for completion as per the detailed specifications. Neutrick/SR/Amphenol/nT/MX/Equivalent.	Nos	8	240.00	1920.00
5	15.9.1	Supply, installation, testing and commissioning of cardioids handheld/collar VHF/UHF wireless microphone Transmitter and receiver with selectable carrier Frequency from VHF/UHF 179-279 MHz 575 MHz to 875 MHz	Nos	1	12900.00	12900.00
6	2.8.7	Supplying and drawing Flexible Multicore Cable manufactured with electrolytic grade flexible copper with low conductor confirming to table 3 class 5 of IS:8130-1984 and (Virgin) PVC insulation and sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A.2C X 2.5Sq.mm	Mtrs	367	59.10	21689.70

7	24/4.22	Supplying of heavy duty water tight, under water luminary with corrosion resistant, nickel plated brass housing with flange on the top, 2 cable entries at the bottom with double compression water tight brass gland, clear glass cover with rubber gasket on both sides mounted in a brass frame. Glass cover assembly fixed to the flange with 6Nos SS bolts and fly nuts ES lamp holder on a bracket suitable for 120W 230Volts Par/reflector lamp, prewired with Teflon sleeve up to the terminal block with 100/120W Par light lamp.	Each	10	4800.00	48000.00
8		LED Street light.Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II.LED Streetlight **24watts**	Ns	20	6912.00	138240.00
		Mislenious				0.30
		Total				**500000.00**

Administrative Sanction for 5.00 LAKHS
RUPEE FIVE LAKHS ONLY
is accorded for P0298 Maint & R to Electrical Installations & improvements and Gardening & Play Grounds & Burial Ground &
Registered as EE( ) No. 53/2018-19
to conditions contained in
No. BBMP/EE(E)/42/AS/53/2018-19
Dt. 18.02.2019

TECHNICALLY SANCTIONED FOR 5.00 LAKHS
Rupees FIVE LAKHS ONLY
Under P0298. Maint & R to Electrical Installations & improvements and Gardening & play Grounds
Registered as EE( ) No. AT/2018-19 9 9
Subject to conditions contained in
enclosed memo No. ( ) BBMP/EE(E)/42/AS/53/18-19
Dt. 18.02.2019
Estimate/AS Sanctioned
BBMP/EE(E)/42/AS/AT/2018-19
Dated 18.02.2019

CERTIFICATE

1. The Place was inspected and work is essential.
2. The Provision made in the estimate is adequate and are necessary.
3. The Work comes in the BBMP limit and is legitimate charges on the Corporation Funds.
4. The rates in the Estimate is based on PWD (Elec) SR of 2014-15 .

Jr/Asst. Engineer (Elec)

Asst. Exe.Engineer (Elec)
YALAHANKA zone
Bruhat Bangalore Mahanagara Palike

EXECUTIVE ENGINEER (ELEC)
YALAHANKA ZONE
BRUHAT BANGALORE MAHANAGARA PALIKE